

GenCore version 4.5
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OM protein - protein search, using sw model

Run on: August 28, 2002, 17:29:04 ; Search time 305.46 Seconds

(without alignments)
259.267 Million cell updates/sec

Title: US-09-502-984B-1

Perfect score: 1194
Sequence: 1 APPPNLPDPKFEKSKALLAA.....GGFWSAMSEPVSLTPSDLD 225

Scoring table:

BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 3502263 seqs, 351980561 residues

Total number of hits satisfying chosen parameters: 3502263

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Listing first 45 summaries

Database :

Pending_Patents_AA_Main: *
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3: /cgn2_6/ptodata/2/paa/US07.COMB.pep:*
4: /cgn2_6/ptodata/2/paa/US080.COMB.pep:*
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6: /cgn2_6/ptodata/2/paa/US082.COMB.pep:*
7: /cgn2_6/ptodata/2/paa/US083.COMB.pep:*
8: /cgn2_6/ptodata/2/paa/US084.COMB.pep:*
9: /cgn2_6/ptodata/2/paa/US085.COMB.pep:*
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25: /cgn2_6/ptodata/2/paa/US101.COMB.pep:*
26: /cgn2_6/ptodata/2/paa/US60.COMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1194	100.0	225	19	US-09-502-984-1
2	1194	100.0	438	17	US-09-339-838-5
3	1194	100.0	488	8	US-08-474-673-2
4	1194	100.0	488	13	US-08-960-733-2
5	1187	99.4	508	14	US-09-016-159-5
6	1187	99.4	508	14	US-09-058-429-5
7	1186	99.3	438	17	US-09-339-838-7

	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45		
	1164	97.5	1164	97.5	1164	97.5	1164	97.5	1164	97.5	1164	97.5	1164	97.5	1164	97.5	1164	97.5	1164	97.5	1164	97.5	1164	97.5	1164	97.5	1164	97.5	1164	97.5	1164	97.5	1164	97.5	1164	97.5	1164	97.5	1164	97.5
	220	18	220	18	220	18	220	18	220	18	220	18	220	18	220	18	220	18	220	18	220	18	220	18	220	18	220	18	220	18	220	18	220	18	220	18	220	18	220	18
	US-09-452-565-6	US-09-452-565-3	US-09-452-565-1	US-09-302-984-2	US-09-502-984-18	US-09-502-984-7	US-09-502-984-12	US-09-502-984-13	US-09-502-984-14	US-09-502-984-15	US-09-502-984-16	US-09-502-984-17	US-09-502-984-18	US-09-502-984-19	US-09-502-984-20	US-09-502-984-21	US-09-502-984-22	US-09-502-984-23	US-09-502-984-24	US-09-502-984-25	US-09-502-984-26	US-09-502-984-27	US-09-502-984-28	US-09-502-984-29	US-09-502-984-30	US-09-502-984-31	US-09-502-984-32	US-09-502-984-33	US-09-502-984-34	US-09-502-984-35	US-09-502-984-36	US-09-502-984-37	US-09-502-984-38	US-09-502-984-39	US-09-502-984-40	US-09-502-984-41	US-09-502-984-42	US-09-502-984-43	US-09-502-984-44	US-09-502-984-45
	Sequence 6, Appl	Sequence 3, Appl	Sequence 1, Appl	Sequence 2, Appl	Sequence 7, Appl	Sequence 12, Appl	Sequence 13, Appl	Sequence 14, Appl	Sequence 15, Appl	Sequence 16, Appl	Sequence 17, Appl	Sequence 18, Appl	Sequence 19, Appl	Sequence 20, Appl	Sequence 21, Appl	Sequence 22, Appl	Sequence 23, Appl	Sequence 24, Appl	Sequence 25, Appl	Sequence 26, Appl	Sequence 27, Appl	Sequence 28, Appl	Sequence 29, Appl	Sequence 30, Appl	Sequence 31, Appl	Sequence 32, Appl	Sequence 33, Appl	Sequence 34, Appl	Sequence 35, Appl	Sequence 36, Appl	Sequence 37, Appl	Sequence 38, Appl	Sequence 39, Appl	Sequence 40, Appl	Sequence 41, Appl	Sequence 42, Appl	Sequence 43, Appl	Sequence 44, Appl	Sequence 45, Appl	

ALIGNMENTS

RESULT 1
US-09-502-984-1
Sequence 1, Application US/09502984
GENERAL INFORMATION:
APPLICANT: Luo, Peizhi
TITLE OF INVENTION: STRUCTURE-BASED SCREENING TECHNIQUES FOR DRUG DISCOVERY
FILE REFERENCE: A-68126-1/RFT/RMS/RMK
CURRENT APPLICATION NUMBER: US/09/502,984
CURRENT FILING DATE: 2000-02-11
PRIOR APPLICATION NUMBER: 60/120,009
PRIOR FILING DATE: 1999-02-11
PRIOR APPLICATION NUMBER: 60/131,674
PRIOR FILING DATE: 1999-04-29
NUMBER OF SEQ ID NOS: 36
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 1
LENGTH: 225
TYPE: PRT
ORGANISM: Homo sapiens
US-09-502-984-1

Query Match 100.0%; Score 1194; DB 19; Length 225;
Best Local Similarity 100.0%; Pred. No. 1.8e-116;
Matches 225; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 APPPNLPDPKFEKSKALLAARGPEELICTFELELDVCFWEAASAGVGPNGVSPSYOLE 60
DB 1 APPPNLPDPKFEKSKALLAARGPEELICTFELELDVCFWEAASAGVGPNGVSPSYOLE 60

QY 61 DEPWKLCRLHQAPTARGAVFMCSLPTADTSSVPLELRYTAASGAPRYHRYHINEVYL 120
| | | | |
DB 61 DEPWKLCRLHQAPTARGAVFMCSLPTADTSSVPLELRYTAASGAPRYHRYHINEVYL 120
QY 121 LDAPVGLVARLADSGHVYLRWLPPETPMTSHIRYEVDSAGNGAGSVQREILLEGRT 180
| | | | |
DB 121 LDAPVGLVARLADSGHVYLRWLPPETPMTSHIRYEVDSAGNGAGSVQREILLEGRT 180
QY 181 CVALSNLRGRTRYTFAYARMAEPSPFGFWSAMSEPVSLTSPSLD 225
| | | | |
DB 181 CVALSNLRGRTRYTFAYARMAEPSPFGFWSAMSEPVSLTSPSLD 225

RESULT 2

US-09-339-838-5
; Sequence 5, Application US/09339838
; GENERAL INFORMATION:
; APPLICANT: Bell, David N.
; APPLICANT: Mueller, Susan G.
; APPLICANT: Matthews, Kathryn E.
; TITLE OF INVENTION: The Efficient Culture of Stem Cells for the Production of Hemoglo
; FILE REFERENCE: 6704-83
; CURRENT APPLICATION NUMBER: US/09/339, 838
; PRIOR FILING DATE: 1999-06-25
; PRIOR APPLICATION NUMBER: CA 2,260,332
; PRIOR FILING DATE: 1999-01-25
; PRIOR APPLICATION NUMBER: CA 2,241,576
; PRIOR FILING DATE: 1998-06-25
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO: 5
; LENGTH: 438
; TYPE: PR
; ORGANISM: Homo sapiens
US-09-339-838-5

Query Match 100.0%; Score 1194; DB 17; Length 438;
Best Local Similarity 100.0%; Pred. No. 4.5e-116;
Matches 225; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 APPNLPDPKFEESKAAALLAARGPEELCTERLEDVLCFWEBAASAGVPGNYSFSYOLE 60
| | | | |
DB 25 APPNLPDPKFEESKAAALLAARGPEELCTERLEDVLCFWEBAASAGVPGNYSFSYOLE 84
QY 61 DEPWKLCRLHQAPTARGAVFMCSLPTADTSSVPLELRYTAASGAPRYHRYHINEVYL 120
| | | | |
DB 85 DEPWKLCRLHQAPTARGAVFMCSLPTADTSSVPLELRYTAASGAPRYHRYHINEVYL 144
QY 121 LDAPVGLVARLADSGHVYLRWLPPETPMTSHIRYEVDSAGNGAGSVQREILLEGRT 180
| | | | |
DB 145 LDAPVGLVARLADSGHVYLRWLPPETPMTSHIRYEVDSAGNGAGSVQREILLEGRT 204
QY 181 CVALSNLRGRTRYTFAYARMAEPSPFGFWSAMSEPVSLTSPSLD 225
| | | | |
DB 205 CVALSNLRGRTRYTFAYARMAEPSPFGFWSAMSEPVSLTSPSLD 249

RESULT 3

US-08-474-673-2
; Sequence 2, Application US/08474673
; GENERAL INFORMATION:
; APPLICANT: Young, Peter R.
; TITLE OF INVENTION: Method for Obtaining Receptor Agonist
; TITLE OF INVENTION: Antibodies
; NUMBER OF SEQUENCES: 13
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SmithKline Beecham Corporation- Corporate
; ADDRESSEE: Patents
; STREET: 709 Swedeland Road
; CITY: King of Prussia
; STATE: Pennsylvania
; COUNTRY: USA

ZIP: 19406-2799
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/474,673
; FILING DATE:
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: Jervis, Herbert H.
; REGISTRATION NUMBER: 31,171
; REFERENCE/DOCKET NUMBER: SBC P50349
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 215-270-5015
; TELEFAX: 215-270-5090
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 488 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-474-673-2

Query Match 100.0%; Score 1194; DB 8; Length 488;
Best Local Similarity 100.0%; Pred. No. 5.2e-116;
Matches 225; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 APPNLPDPKFEESKAAALLAARGPEELCTERLEDVLCFWEBAASAGVPGNYSFSYOLE 60
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DB 25 APPNLPDPKFEESKAAALLAARGPEELCTERLEDVLCFWEBAASAGVPGNYSFSYOLE 84
QY 61 DEPWKLCRLHQAPTARGAVFMCSLPTADTSSVPLELRYTAASGAPRYHRYHINEVYL 120
| | | | |
DB 85 DEPWKLCRLHQAPTARGAVFMCSLPTADTSSVPLELRYTAASGAPRYHRYHINEVYL 144
QY 121 LDAPVGLVARLADSGHVYLRWLPPETPMTSHIRYEVDSAGNGAGSVQREILLEGRT 180
| | | | |
DB 145 LDAPVGLVARLADSGHVYLRWLPPETPMTSHIRYEVDSAGNGAGSVQREILLEGRT 204
QY 181 CVALSNLRGRTRYTFAYARMAEPSPFGFWSAMSEPVSLTSPSLD 225
| | | | |
DB 205 CVALSNLRGRTRYTFAYARMAEPSPFGFWSAMSEPVSLTSPSLD 249

RESULT 4

US-08-960-733-2
; Sequence 2, Application US/08960733
; GENERAL INFORMATION:
; APPLICANT: Young, Peter R.
; TITLE OF INVENTION: Method for Obtaining Receptor Agonist
; TITLE OF INVENTION: Antibodies
; NUMBER OF SEQUENCES: 13
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SmithKline Beecham Corporation- Corporate
; ADDRESSEE: Patents
; STREET: 709 Swedeland Road
; CITY: King of Prussia
; STATE: Pennsylvania
; COUNTRY: USA
; ZIP: 19406-2799
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/960,733
; FILING DATE:
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:

```

1      APPLICATION NUMBER: 08/474,673
2
3      FILING DATE:
4
5      ATTORNEY/AGENT INFORMATION:
6
7      NAME: Jervia, Herbert H.
8      REGISTRATION NUMBER: 31,171
9      REFERENCE/DOCKET NUMBER: SBC P50349
10
11     TELECOMMUNICATION INFORMATION:
12
13     TELEPHONE: 215-270-5015
14
15     TELEFAX: 215-270-5090
16
17     INFORMATION FOR SEQ. ID NO: 2:
18
19     SEQUENCE CHARACTERISTICS:
20
21     LENGTH: 488 amino acids
22     type: amino acid
23     TOPOLOGY: linear
24
25     MOLECULE TYPE: protein
26
27     OS-08-960-733-2

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Query Match	100.0%	Score 1194	DB 13	Length 488
Best Local Similarity	100.0%	Pred. No. 5.2e-116		
Matches 225	Conservative 0	Mismatches 0	Indels 0	Gaps 0

QY	1	APPENLDPKRESAAALLAANGPELLICFTEERLEDYICFMEENASAVGONGNSFSYOLE	60
Db	25	APPENLDPKRESAAALLAANGPELLICFTEERLEDYICFMEENASAVGONGNSFSYOLE	84
QY	61	DEPKLCRLHOAPTARGAVRFMCSLPTADTSSFFVPELRLTYAASGAGRYHRVHINIVVL	120
Db	85	DEPKLCRLHOAPTARGAVRFMCSLPTADTSSFFVPELRLTYAASGAGRYHRVHINIVVL	144
QY	121	LDAFVGLVARLADSGHVYLRMLPPEPTPMTSHIRYVDVYSAAGAGSVORVELLEGTE	180
Db	145	LDAFVGLVARLADSGHVYLRMLPPEPTPMTSHIRYVDVYSAAGAGSVORVELLEGTE	204
QY	181	CVSLNLRGRTTYTFAVBARMAEPSEFGGFWMSMSPVSLTLRPSDLD	225
Db	205	CVSLNLRGRTTYTFAVBARMAEPSEFGGFWMSMSPVSLTLRPSDLD	249

```

1      RESULT      5
2      US-09-016-159-5
3      ; Sequence 5, Application US/09016159
4      ; GENERAL INFORMATION:
5      ; APPLICANT: Lee, Jong Y.
6      ; TITLE OF INVENTION: PURIFIED HUMAN ERYTHROPOIETIN RECEPTOR
7      ; TITLE OF INVENTION: PROTEIN FRAGMENT AND ANTIBODIES DERIVED THEREFROM
8      ; NUMBER OF SEQUENCES: 5
9      ; CORRESPONDENCE ADDRESS:
10     ; ADDRESSEE: Fish & Richardson P.C., P.A.
11     ; STREET: 60 South Sixth Street, Suite 3300
12     ; City: Minneapolis
13     ; STATE: MN
14     ; COUNTRY: USA
15     ; ZIP: 55402
16     ; COMPUTER READABLE FORM:
17     ; MEDIUM TYPE: Floppy disk
18     ; COMPUTER: IBM compatible
19     ; OPERATING SYSTEM: DOS
20     ; SOFTWARE: FastSeq for Windows Version 2.0
21     ; CURRENT APPLICATION DATA:
22     ; APPLICATION NUMBER: US/09/016.159
23     ; FILING DATE: 30-JAN-1998
24     ; PRIOR APPLICATION DATA:
25     ; APPLICATION NUMBER: 08/876,227
26     ; FILING DATE: 16-JUN-1997
27     ; PRIOR APPLICATION DATA:
28     ; APPLICATION NUMBER: 08/734,097
29     ; FILING DATE: 21-OCT-1996
30     ; PRIOR APPLICATION DATA:
31     ; APPLICATION NUMBER: 08/460,525
32     ; FILING DATE: 02-JUN-1995
33     ; ATTORNEY/AGENT INFORMATION:
34     ; NAME: Ellinger, Mark S.

```

```

: REGISTRATION NUMBER: 34,812
: REFERENCE/DOCKET NUMBER: 07004/002003
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 612/335-5070
: TELEFAX: 612/288-9696
: INFORMATION FOR SEO ID NO: 5:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 508 amino acids
: TYPE: amino acid
: TOPOLOGY: linear
: MOLECULE TYPE: protein
: OS-09-016-159-5

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Query Match	99.4%	Score 1187	DB 14	Length 508
Best Local Similarity	99.6%	Pred. No. 3e-115		
Matches 224	Conservative 0	Mismatches 1	Indels 0	Gaps 0

Qy	1	APPPLPPKESKAAIIAAGPELICFETRLIEDIVCFMEEAASAGVPPNTSYOLE	60
Db	25	APPPLPPKESKAAIIAAGPELICFETRLIEDIVCFMEEAASAGVPPNTSYOLE	84
Qy	61	DEPMKICLHOAPARGAVRFWCSLPTADTSSFPVPLELRTVAASGAPRYHRVHINEVYL	120
Db	85	DEPMKICLHOAPARGAVRFWCSLPTADTSSFPVPLELRTVAASGAPRYHRVHINEVYL	144
Qy	121	LDAPVGLVARLADSGHVYLFWLPPEPTPMTHSHIRYEVDSAGNAGSVORVETLEGRTG	180
Db	145	LDAPVGLVARLADSGHVYLFWLPPEPTPMTHSHIRYEVDSAGNAGSVORVETLEGRTG	204
Qy	181	CVLSNLRGRTYRTFAVAVRMAEPFSGFQWMSASEPVSLLTPSSDID	225
Db	205	CVLSNLRGRTYRTFAVAVRMAEPFSGFQWMSASEPVSLLTPSSDID	249

RESULT 6
US-09-058-429-5
Sequence 5, Application US/09058429
GENERAL INFORMATION:
APPLICANT: Lee, Jong Y.
TITLE OF INVENTION: PURIFIED HUMAN ERYTHROPOIETIN RECEPTOR
TITLE OF INVENTION: PROTEIN FRAGMENT AND ANTIBODIES DERIVED THEREFROM
NUMBER OF SEQUENCES: 5
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson P.C., P.A.
STREET: 60 South Sixth Street, Suite 3300
CITY: Minneapolis
STATE: MN
COUNTRY: USA
ZIP: 55402
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/058,429
FILING DATE: 10-APR-1998
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/016,159
FILING DATE: 30-JAN-1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/876,227
FILING DATE: 16-JUN-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/734,097
FILING DATE: 21-OCT-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/460,525
FILING DATE: 02-JUN-1995
ATTORNEY/AGENT INFORMATION:
NAME: Ellinger, Mark S.

```

?      REGISTRATION NUMBER:   34,812
?      REFERENCE/DOCKET NUMBER: 07004/002003
?
?      TELECOMMUNICATION INFORMATION:
?
?      TELEPHONE: 612/335-5070
?
?      TELEFAX: 612/288-9696
?
?      INFORMATION FOR SEQ ID NO:    5:
?
?      SEQUENCE CHARACTERISTICS:
?      LENGTH: 508 amino acids
?      TYPE: amino acid
?      TOPOLOGY: linear
?
?      MOLECULE TYPE: protein
?
?-S-09-058-429-5

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Query Match	99.48;	Score 1187;	DB 14;	Length 508;
Best Local Similarity	99.68;	Pred. No. 3e-115;		
Matches 224; Conservative	0;	Mismatches 1;	Indels 0;	Gaps 0;

QY	1	APPNNLDDPKFESAAALLAARGPELLICFTEHREDLVCFFMEEAASAGVGGNSTFQYLE	60
QY	25	APPNNLDDPKFESAAALLAARGPELLICFTEHREDLVCFFMEEAASAGVGGNSTFQYLE	84
QY	61	DEPKLCRLHQAPPTARGAVRWCSSLPTADTSSFPVLELRVTAASGADRYHRVHINEVVL	120
QY	85	DEPKLCRLHQAPPTARGAVRWCSSLPTADTSSFPVLELRVTAASGADRYHRVHINEVVL	144
QY	121	LDAVYGLVARLADSSGHVLRMLPPEPTPMTSHIRYEVVDYSAGNGAGSVORVELLSGRTE	160
QY	145	LDAVYGLVARLADSSGHVLRMLPPEPTPMTSHIRYEVVDYSAGNGAGSVORVELLSGRTE	204
QY	181	CVLSNLGGRRTYTFAYVARMAEPEFEGFEMWASPEVLLPSSDLD	225
QY	205	CVLSNLGGRRTYTFAYVARMAEPEFEGFEMWASPEVLLPSSDLD	249

```

1  RESULT 7
2  US-09-339-838-7
3  : Sequence 7, Application US/09339838
4  : GENERAL INFORMATION:
5  : APPLICANT: Bell, David N.
6  : APPLICANT: Mueller, Susan G.
7  : APPLICANT: Matthews, Kathryn E.
8  : TITLE OF INVENTION: The Efficient Culture of Stem Cells for the Production of Hemoglobin
9  : FILE REFERENCE: 6704-83
10 : CURRENT APPLICATION NUMBER: US/09/339,838
11 : CURRENT FILING DATE: 1999-06-25
12 : PRIOR APPLICATION NUMBER: CA 2,260,332
13 : PRIOR FILING DATE: 1999-01-25
14 : PRIOR APPLICATION NUMBER: CA 2,241,576
15 : PRIOR FILING DATE: 1998-06-25
16 : NUMBER OF SEQ. ID NOS: 11
17 : SOFTWARE: PatentIn version 3.1
18 : SEQ. ID NO. 7
19 : LENGTH: 438
20 : TYPE: PRT
21 : ORGANISM: Homo sapiens
22 : IS-09-339-838-7

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Query Match	99.3%;	Score 1186;	DB 17;	Length 438;
Best Local Similarity	99.6%;	Pred. No. 3.1e-115;		
Matches 224;	Conservative	0;	Mismatches 1;	Indels 0;
				Gaps 0;

QY	1	APPNNDDPKFESKAALLAARGPELLICFPIERLEDLYCFMEENASAGVGGNSSFSTQLE	60
Db	25	APPNNDDPKFESKAALLAARGPELLICFPIERLEDLYCFMEENASAGVGGNSSFSTQLE	84
QY	61	DEPWKLCRLHQAPTARGAVRWCSSLPTADSSFVPELRLRTAASGABRYHRVHINEVVL	120
Db	85	DEPWKLCRLHQAPTARGAVRWCSSLPTADSSFVPELRLRTAASGABRYHRVHINEVVL	144
QY	121	LDAPVGLVARLADESGHVLRLPPEPTPMTSHIREVDVSAGNGAGSVORVELLEGRTG	180

Db 145 LDAPVGLVACIADDSGHVLRMLPPETPMIISHIREYDVISAGSAGASYQVEILBERTE 204

```

RESULT      8
US-09-452-565-6
: Sequence 6, Application US/09452565
: GENERAL INFORMATION:
: APPLICANT: Anderson, Stephen F.
: APPLICANT: Nash, Huy M.
: APPLICANT: Felsch, Jason S.
: TITLE OF INVENTION: ERYTHROPOIETIN RECEPTOR CHIMERA
: FILE REFERENCE: 10845/011001
: CURRENT APPLICATION NUMBER: US/09/452,565
: CURRENT FILING DATE: 1999-12-01
: NUMBER OF SEQ. ID NOS.: 16
: SOFTWARE: FastSeq for Windows Version 4.0
: SEQ. ID NO. 6
: LENGTH: 220
: TYPE: PRT
: ORGANISM: Homo sapiens
: US-09-452-565-6

```

Query Match	97.58;	Score 1164;	DB 18;	Length 220;
Best Local Similarity	99.58;	Pred. No. 2.4e-113;		
Matches 219;	Conservative 1;	Mismatches 0;	Indels 0;	Gaps 0;

QY	1	APPNLPDPKKESSAALLAANGPELLICFERIEDIDVCFMEEAASACVGGNSSFVQLE	60
Db	1	APPNLPDPKKESSAALLAANGPELLICFERIEDIDVCFMEEAASACVGGNSSFVQLE	60
QY	61	DEPMKLCRLHOAPPARGAVREWCSLPPADTSSFVPLELRYTAASGAPRYHRYHINEVL	120
Db	61	DEPMKLCRLHOAPPARGAVREWCSLPPADTSSFVPLELRYTAASGAPRYHRYHINEVL	120
QY	121	LDAPVGLVARLADSSGHVYLRMLPPPEPMTSHIRYEDVDSAGNGASSVQRELLBERTE	180
Db	121	LDAPVGLVARLADSSGHVYLRMLPPPEPMTSHIRYEDVDSAGNGASSVQRELLBERTE	180
QY	181	CVLSNLRGRTRYTEAVRRAMAEPSEFGGWSMSEPSVLT	220
Db	181	CVLSNLRGRTRYTEAVRRAMAEPSEFGGWSMSEPSVLT	220

```

RESULT 9
US-09-452-565-3
: Sequence 3, Application US/09452565
: GENERAL INFORMATION:
: APPLICANT: Anderson, Stephen F.
: APPLICANT: Nash, Huw M.
: APPLICANT: Felisch, Jason S.
: TITLE OF INVENTION: ERYTHROPOIETIN RECEPTOR CHIMERA
: FILE REFERENCE: 10845/011001
: CURRENT APPLICATION NUMBER: US/09/452,565
: CURRENT FILING DATE: 1999-12-01
: NUMBER OF SEQ ID NOS: 16
: SOFTWARE: FastSeq for Windows Version 4.0
: SEQ ID NO 3
: LENGTH: 268
: TYPE: PRT
: ORGANISM: Artificial Sequence
: FEATURE:
: NAME/KEY: -
: OTHER INFORMATION: fusion protein including erythropoietin receptor extracellular
: OTHER INFORMATION: domain and maltose binding protein
US-09-452-565-3

```

Query Match 97.58; Score 1164; DB 18; Length 268

Best Local Similarity 99.5%; Pred. No. 3.2e-113;
Matches 219; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

```
OY 1 APPNPDPKFKSKAALLAARGPEELLCTERLEDVCFWEAASAGVPGNYSFYOLEDEPKLCRL 60
    |||||||
DB 41 APPNPDPKFKSKAALLAARGPEELLCTERLEDVCFWEAASAGVPGNYSFYOLE 100
OY 61 DEPMKLCRLHQAPRTAGAVRFWCSLPTADTSSFPVLELRVTAASGAPRYHVIHINEVYL 120
    |||||||
DB 101 DEPMKLCRLHQAPRTAGAVRFWCSLPTADTSSFPVLELRVTAASGAPRYHVIHINEVYL 160
OY 121 LDAPVGLVARLADSGHVLLRWLPPPEPTMTSHIRYEVDSAGNGASVQVREILLEGRTE 180
    |||||||
DB 161 LDAPVGLVARLADSGHVLLRWLPPPEPTMTSHIRYEVDSAGNGASVQVREILLEGRTE 220
OY 181 CVLSNLRGRTRTYTFAVRARMAEPSPGFWMSAMSEPVSLT 220
    |||||||
DB 221 CVLSNLRGRTRTYTFAVRARMAEPSPGFWMSAMSEPVSLT 260
```

RESULT 10
US-09-452-565-1
Sequence 1, Application US/09452565

```
; GENERAL INFORMATION:
; APPLICANT: Anderson, Stephen F.
; APPLICANT: Nash, Huw M.
; APPLICANT: Felsch, Jason S.
; TITLE OF INVENTION: ERYTHROPOIETIN RECEPTOR CHIMERA
; FILE REFERENCE: 10845/011001
; CURRENT APPLICATION NUMBER: US/09/452,565
; CURRENT FILING DATE: 1999-12-01
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 676
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: -
; OTHER INFORMATION: fusion protein including erythropoietin receptor extracellular
; OTHER INFORMATION: domain, maltose binding proteins, linker, and GCM4 leucine
; OTHER INFORMATION: zipper domain
US-09-452-565-1
```

Query Match 97.5%; Score 1164; DB 18; Length 676;
Best Local Similarity 99.5%; Pred. No. 1.2e-112;
Matches 219; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

```
OY 1 APPNPDPKFKSKAALLAARGPEELLCTERLEDVCFWEAASAGVPGNYSFYOLE 60
    |||||||
DB 419 APPNPDPKFKSKAALLAARGPEELLCTERLEDVCFWEAASAGVPGNYSFYOLE 478
OY 61 DEPMKLCRLHQAPRTAGAVRFWCSLPTADTSSFPVLELRVTAASGAPRYHVIHINEVYL 120
    |||||||
DB 479 DEPMKLCRLHQAPRTAGAVRFWCSLPTADTSSFPVLELRVTAASGAPRYHVIHINEVYL 538
OY 121 LDAPVGLVARLADSGHVLLRWLPPPEPTMTSHIRYEVDSAGNGASVQVREILLEGRTE 180
    |||||||
DB 539 LDAPVGLVARLADSGHVLLRWLPPPEPTMTSHIRYEVDSAGNGASVQVREILLEGRTE 598
OY 181 CVLSNLRGRTRTYTFAVRARMAEPSPGFWMSAMSEPVSLT 220
    |||||||
DB 599 CVLSNLRGRTRTYTFAVRARMAEPSPGFWMSAMSEPVSLT 638
```

RESULT 11
US-09-502-984-2
Sequence 2, Application US/09502984
GENERAL INFORMATION:
APPLICANT: Luo, Peizhi
TITLE OF INVENTION: STRUCTURE-BASED SCREENING TECHNIQUES FOR DRUG DISCOVERY
FILE REFERENCE: A-68126-1/RET/RMS/RMK

CURRENT APPLICATION NUMBER: US/09/502,984
CURRENT FILING DATE: 2000-02-11

```
; PRIOR APPLICATION NUMBER: 60/120,009
; PRIOR FILING DATE: 1999-02-11
; PRIOR APPLICATION NUMBER: 60/131,674
; PRIOR FILING DATE: 1999-04-29
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 211
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-502-984-2
```

Query Match 93.1%; Score 1112; DB 18; Length 211;
Best Local Similarity 100.0%; Pred. No. 6.7e-108;
Matches 211; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
OY 10 KFSKAALLAARGPEELLCTERLEDVCFWEAASAGVPGNYSFYOLEDEPKLCRL 69
    |||||||
DB 1 KFSKAALLAARGPEELLCTERLEDVCFWEAASAGVPGNYSFYOLEDEPKLCRL 60
OY 70 HQAPTAGAVRFWCSLPTADTSSFPVLELRVTAASGAPRYHVIHINEVLLDAPVGLVA 129
    |||||||
DB 61 HQAPTAGAVRFWCSLPTADTSSFPVLELRVTAASGAPRYHVIHINEVLLDAPVGLVA 120
OY 130 RLADSGHVLLRWLPPPEPTMTSHIRYEVDSAGNGASVQVREILLEGRTECVLSNLRGR 189
    |||||||
DB 121 RLADSGHVLLRWLPPPEPTMTSHIRYEVDSAGNGASVQVREILLEGRTECVLSNLRGR 180
OY 190 TRYTFAVRARMAEPSPGFWMSAMSEPVSLT 220
    |||||||
DB 181 TRYTFAVRARMAEPSPGFWMSAMSEPVSLT 211
```

RESULT 12
US-09-502-984-18

```
; Sequence 18, Application US/09502984
; GENERAL INFORMATION:
; APPLICANT: Luo, Peizhi
; TITLE OF INVENTION: STRUCTURE-BASED SCREENING TECHNIQUES FOR DRUG DISCOVERY
; FILE REFERENCE: A-68126-1/RET/RMS/RMK
; CURRENT APPLICATION NUMBER: US/09/502,984
; CURRENT FILING DATE: 2000-02-11
; PRIOR APPLICATION NUMBER: 60/120,009
; PRIOR FILING DATE: 1999-02-11
; PRIOR APPLICATION NUMBER: 60/131,674
; PRIOR FILING DATE: 1999-04-29
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 18
; LENGTH: 211
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: SYNTHETIC
US-09-502-984-18
```

Query Match 92.1%; Score 1100; DB 19; Length 211;
Best Local Similarity 99.1%; Pred. No. 1.2e-106;
Matches 209; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

```
OY 10 KFSKAALLAARGPEELLCTERLEDVCFWEAASAGVPGNYSFYOLEDEPKLCRL 69
    |||||||
DB 1 KFSKAALLAARGPEELLCTERLEDVCFWEAASAGVPGNYSFYOLEDEPKLCRL 60
OY 70 HQAPTAGAVRFWCSLPTADTSSFPVLELRVTAASGAPRYHVIHINEVLLDAPVGLVA 129
    |||||||
DB 61 HQAPTAGAVRFWCSLPTADTSSFPVLELRVTAASGAPRYHVIHINEVLLDAPVGLVA 120
OY 130 RLADSGHVLLRWLPPPEPTMTSHIRYEVDSAGNGASVQVREILLEGRTECVLSNLRGR 189
```

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Db 121 RLADSGHVLRWLPPEPTPMTSHIRYEDVDSAGNGASVQVLELGGTECVLSNLGR 180
190 TRYTFAVRARMAPESFGFWMSAMSEPVSLT 220
181 TRYTFAVRARMAPESFGFWMSAMSEPVSLT 211

RESULT 13
US-09-502-984-7
Sequence 7, Application US/09502984
GENERAL INFORMATION:
APPLICANT: Luo, Peizhi
TITLE OF INVENTION: STRUCTURE-BASED SCREENING TECHNIQUES FOR DRUG DISCOVERY
FILE REFERENCE: A-68126-1/RT/RMS/RMK
CURRENT APPLICATION NUMBER: US/09/502,984
CURRENT FILING DATE: 2000-02-11
PRIOR APPLICATION NUMBER: 60/120,009
PRIOR FILING DATE: 1999-02-11
PRIOR APPLICATION NUMBER: 60/131,674
PRIOR FILING DATE: 1999-04-29
NUMBER OF SEQ ID NOS: 36
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 7
LENGTH: 211
TYPE: PRT
ORGANISM: Artificial Sequence
OTHER INFORMATION: Description of Artificial Sequence: SYNTHETIC
US-09-502-984-7

Query Match 92.0%, Score 1099, DB 19, Length 211;
Best Local Similarity 98.1%; Pred. No. 1,6e-106;
Matches 207, Conservative 4, Mismatches 0, Indels 0, Gaps 0;

QY 10 KFESFALLAARGPELICFTRELDIVCFWFEASAGVGPENVSFSYOLEDEPMKICRL 69
DB 1 KFESFALLAARGPELICFTRELDIVCFWFEASAGVGPENVSFSYOLEDEPMKICRL 60
QY 70 HQAPTARGAVRWCSSLPTADTSSFPVLELRVTAASGAPRHRVIRINEVLLDAPVGLVA 129
DB 61 HQAPTARGAIRWCSSLPTADTSSFPVLELRVTAASGAPRHRVIRINEVLLDAPVGLVA 120
QY 130 RLADSGHVLRWLPPEPTPMTSHIRYEDVDSAGNGASVQVLELGGTECVLSNLGR 189
DB 121 RLADSGHVLRWLPPEPTPMTSHIRYEDVDSAGNGASVQVLELGGTECVLSNLGR 180
QY 190 TRYTFAVRARMAPESFGFWMSAMSEPVSLT 220
DB 181 TRYTFAVRARMAPESFGFWMSAMSEPVSLT 211

RESULT 14
US-09-502-984-12
Sequence 12, Application US/09502984
GENERAL INFORMATION:
APPLICANT: Luo, Peizhi
TITLE OF INVENTION: STRUCTURE-BASED SCREENING TECHNIQUES FOR DRUG DISCOVERY
FILE REFERENCE: A-68126-1/RT/RMS/RMK
CURRENT APPLICATION NUMBER: US/09/502,984
CURRENT FILING DATE: 2000-02-11
PRIOR APPLICATION NUMBER: 60/120,009
PRIOR FILING DATE: 1999-02-11
PRIOR APPLICATION NUMBER: 60/131,674
PRIOR FILING DATE: 1999-04-29
NUMBER OF SEQ ID NOS: 36
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 12
LENGTH: 211
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:

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: OTHER INFORMATION: Description of Artificial Sequence: SYNTHETIC
US-09-502-984-12

Query Match          91.9%; Score 1097; DB 19; Length 211;
Best Local Similarity 97.6%; Pred. No. 2,5e-106;
Matches 206; Conservative 5; Mismatches 0; Indels 0; Gaps 0;

QY      10 KFESKAALLAARGPELLCTFTERLEDVLCFWEBAASAGVPGPNYSFSYOLEDEPKLCRL 69
      11 |-----|
DB      1 KFESKAALLAARGPELLCTFTERLEDVLCFWEBAASAGVPGPNYSFSYOLEDEPKLCRL 60
      12 |-----|
QY      70 HOAPTARGAVRWCSLPTADTSSFYVPLELRVTAASGAPRYHRIHINEVLLDAPVGLVA 129
      13 |-----|
DB      61 HOAPTARGAVRWCSLPTADTSSFYVPLELRVTAASGAPRYHRIHINEVLLDAPVGLVA 120
      14 |-----|
QY      130 RIADSSGHVYLRLMPLPPETPMTSHIRYEDVDSAGAGSAGVQVLELLEGTCEVLSNLGR 189
      15 |-----|
DB      121 RIADSSGHVYLRLMPLPPETPMTSHIRYEDVDSAGAGSAGVQVLELLEGTCEVLSNLGR 180
      16 |-----|
QY      190 TRYTFVAVRARMAPSFSGFWSAMSEPVSLT 220
      17 |-----|
DB      181 TRYTFVAVRARMAPSFSGFWSAMSEPVSLT 211
      18 |-----|

RESULT 15
US-09-502-984-13
: Sequence 13, Application US/09502984
: GENERAL INFORMATION:
: APPLICANT: luo, peizhi
: TITLE OF INVENTION: STRUCTURE-BASED SCREENING TECHNIQUES FOR DRUG DISCOVERY
: FILE REFERENCE: A-68126-1/RTT/RMS/RMK
: CURRENT APPLICATION NUMBER: US/09/502,984
: PRIOR FILING DATE: 2000-02-11
: PRIOR APPLICATION NUMBER: 60/120,009
: PRIOR FILING DATE: 1999-02-11
: PRIOR APPLICATION NUMBER: 60/121,674
: PRIOR FILING DATE: 1999-04-29
: NUMBER OF SEQ ID NOS: 36
: SOFTWARE: Patent Ver. 2.1
: SEQ ID NO 13
: LENGTH: 211
: TYPE: PRT
: ORGANISM: Artificial Sequence
: FEATURE:
: OTHER INFORMATION: Description of Artificial Sequence: SYNTHETIC
US-09-502-984-13

Query Match          91.8%; Score 1096; DB 19; Length 211;
Best Local Similarity 97.6%; Pred. No. 3,2e-106;
Matches 206; Conservative 5; Mismatches 0; Indels 0; Gaps 0;

QY      10 KFESKAALLAARGPELLCTFTERLEDVLCFWEBAASAGVPGPNYSFSYOLEDEPKLCRL 69
      11 |-----|
DB      1 KFESKAALLAARGPELLCTFTERLEDVLCFWEBAASAGVPGPNYSFSYOLEDEPKLCRL 60
      12 |-----|
QY      70 HOAPTARGAVRWCSLPTADTSSFYVPLELRVTAASGAPRYHRIHINEVLLDAPVGLVA 129
      13 |-----|
DB      61 HOAPTARGAVRWCSLPTADTSSFYVPLELRVTAASGAPRYHRIHINEVLLDAPVGLVA 120
      14 |-----|
QY      130 RIADSSGHVYLRLMPLPPETPMTSHIRYEDVDSAGAGSAGVQVLELLEGTCEVLSNLGR 189
      15 |-----|
DB      121 RIADSSGHVYLRLMPLPPETPMTSHIRYEDVDSAGAGSAGVQVLELLEGTCEVLSNLGR 180
      16 |-----|
QY      190 TRYTFVAVRARMAPSFSGFWSAMSEPVSLT 220
      17 |-----|
DB      181 TRYTFVAVRARMAPSFSGFWSAMSEPVSLT 211
      18 |-----|

Search completed: August 28, 2002, 17:37:38
Job time: 514 sec

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